

**TABLE 4.9.3–1.—Federal and California Species with Protected or Sensitive Status Known to Occur at the Livermore Site and Site 300 in 2001 and 2002**

Common Name	Site		Status	
	Livermore Site	Site 300	Federal Status Code	State Status Code
<b>Plants</b>				
Big tarplant <sup>a</sup>	-	X	-	CNPS List 1 B
Hogwallow starfish	-	X	-	CNPS List 4
Large-flowered fiddleneck	-	X	FE (CH)	CNPS List 1 B
Round-leaved filaree	-	X	-	CNPS List 2
Stinkbells	-	X	-	CNPS List 4
Diamond-petaled poppy	-	X	FSC	CNPS List 1 B
Gypsum rock jasmine	-	X	-	CNPS List 4
Gypsum loving larkspur	-	X	-	CNPS List 4
<b>Invertebrates</b>				
Valley elderberry longhorn beetle	-	X	FT	-
California linderiella fairy shrimp	-	X	FSC	-
<b>Amphibians</b>				
California tiger salamander	-	X	FT (CH not proposed at LLNL)	CASSC
California red-legged frog	X	X	FT (CH proposed)	CASSC
Western spadefoot toad	-	X	FSC	CASSC
<b>Reptiles</b>				
Alameda whipsnake	-	X	FT (CH rescinded)	ST
California horned lizard	-	X	FSC	CASSC
Silvery legless lizard	-	X	FSC	CASSC
San Joaquin coachwhip	-	X	FSC	CASSC

**TABLE 4.9.3–1.— Federal and California Species with Protected or Sensitive Status Known to Occur at the Livermore Site and Site 300 in 2001 and 2002 (continued)**

Common Name	Site		Status	
	Livermore Site	Site 300	Federal Status Code	State Status Code
<b>Birds</b>				
Cooper's hawk	X	X	MBTA	CASSC
Sharp-shinned hawk	-	X	MBTA	CASSC
Golden eagle	X	X	MBTA	CASSC
Red-tailed hawk	X	X	MBTA	-
Rough-legged hawk	-	X	MBTA	-
Red-shouldered hawk	X	X	MBTA	-
Ferruginous hawk	-	X	FSC, MBTA	CASSC
Swainson's hawk	-	X	MBTA	ST
Northern harrier	-	X	MBTA	CASSC
White-tailed kite	X	X	MBTA	CASSC
Osprey	-	X	MBTA	CASSC
Bushtit	X	X	MBTA	-
American kestrel	X	X	MBTA	-
Prairie falcon	-	X	MBTA	CASSC
Horned lark	-	X	MBTA	CASSC
Northern shoveler	-	X	MBTA	-
Cinnamon teal	-	X	MBTA	-
Mallard	X	X	MBTA	-
Bufflehead	X	X	MBTA	-
Common goldeneye	-	X	MBTA	-
Pied-billed grebe	X	X	MBTA	-
Common snipe	X	X	MBTA	-
Greater yellowlegs	X	X	MBTA	-

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Common Name	Site		Status	
	Livermore Site	Site 300	Federal Status Code	State Status Code
<b>Birds (cont.)</b>				
Ring-necked duck	X	-	MBTA	-
Coot	X	-	MBTA	-
Great blue heron	-	X	MBTA	-
Green heron	-	X	MBTA	-
Black-crowned night heron	-	X	MBTA	-
Canada goose	X	-	-	-
White-throated swift	-	X	MBTA	-
Great egret	X	X	MBTA	-
Snowy egret	X	-	MBTA	-
Belted king fisher	X	-	MBTA	-
Cedar waxwing	X	X	MBTA	-
Common poorwill	-	X	MBTA	-
Blue-grosbeak	-	X	MBTA	-
Lazuli bunting	-	X	MBTA	-
Killdeer	X	X	MBTA	-
Mourning dove	X	X	MBTA	-
Rock dove	X	X	MBTA	-
Western scrub jay	X	X	MBTA	-
American crow	X	X	MBTA	-
Common raven	X	X	MBTA	-
Greater roadrunner	-	X	MBTA	-
Bell's sage sparrow	-	X	FSC, MBTA	-
Black-throated sparrow	-	X	MBTA	-

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Common Name	Site		Status	
	Livermore Site	Site 300	Federal Status Code	State Status Code
<b>Birds (cont.)</b>				
Rufous crowned sparrow	-	X	MBTA	-
Grasshopper sparrow	-	X	FSC, MBTA	-
Vesper sparrow	-	X	MBTA	-
Lark sparrow	-	X	MBTA	-
California towhee	-	X	MBTA	-
Oregon junco	X	X	MBTA	-
Lincoln's sparrow	-	X	MBTA	-
Song sparrow	X	X	MBTA	-
Fox sparrow	-	X	MBTA	-
Savannah sparrow	-	X	MBTA	-
Golden-crowned sparrow	X	X	MBTA	-
White-crowned sparrow	X	X	MBTA	-
House finch	X	X	MBTA	-
Lesser goldfinch	X	X	MBTA	-
American goldfinch	X	X	MBTA	-
Cliff swallow	X	X	MBTA	-
Northern rough winged swallow	X	X	MBTA	-
Tree swallow	-	X	MBTA	-
Red-winged blackbird	X	X	MBTA	-
Tricolored blackbird	-	X	FSC, MBTA	CASSC
Brewer's blackbird	X	X	MBTA	-
Bullock's oriole	-	X	MBTA	-
Brown-headed cowbird	X	X	MBTA	-
Western meadowlark	X	X	MBTA	-

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Common Name	Site		Status	
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<b>Birds (cont.)</b>				
Loggerhead shrike	X	X	FSC, MBTA	CASSC
Northern mockingbird	X	X	MBTA	-
California thrasher	-	X	FSC, MBTA	-
California quail	-	X	MBTA	-
Oak titmouse	-	X	FSC, MBTA	-
Yellow-rumped warbler	X	X	MBTA	-
Black-throated gray warbler	-	X	MBTA	-
Yellow warbler	-	X	MBTA	CASSC
Common yellowthroat	-	X	MBTA	CASSC
MacGillivray's warbler	-	X	MBTA	-
Orange-crowned warbler	-	X	MBTA	-
Wilson's warbler	-	X	MBTA	-
Double-crested cormorant	X	X	MBTA	CASSC
Northern flicker	X	X	MBTA	-
Acorn woodpecker	X	X	MBTA	-
Nuttall's woodpecker	X	X	FSC, MBTA	-
Phainopepla	-	X	MBTA	-
Ruby-crowned kinglet	X	X	MBTA	-
Barn owl	X	X	MBTA	-
Burrowing owl	-	X	FSC, MBTA	CASSC
Short-eared owl	-	X	FSC, MBTA	CASSC
Great horned owl	X	X	MBTA	-
Western screech owl	-	X	MBTA	-
Western tanager	-	X	MBTA	-

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<b>Birds (cont.)</b>				
Allen's hummingbird	-	X	MBTA	-
Anna's hummingbird	X	X	MBTA	-
Costa's hummingbird	-	X	FSC, MBTA	-
Rufous hummingbird	X	X	FSC, MBTA	-
Rock wren	-	X	MBTA	-
Bewick's wren	X	X	MBTA	-
House wren	-	X	MBTA	-
Hermit thrush	-	X	MBTA	-
Swainson's thrush	-	X	MBTA	-
Varied thrush	-	X	MBTA	-
Mountain bluebird	-	X	MBTA	-
Western bluebird	-	X	MBTA	-
American robin	X	X	MBTA	-
Western wood pewee	X	X	MBTA	-
Willow flycatcher	-	X	MBTA	SE
Pacific-slope flycatcher	-	X	MBTA	-
Ash-throated flycatcher	-	X	MBTA	-
Black phoebe	X	X	MBTA	-
Say's phoebe	X	X	MBTA	-
Western kingbird	-	X	MBTA	-
Cassin's kingbird	-	X	MBTA	-

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<b>Mammals</b>				
Pallid bat	-	X	-	CASSC
Long-legged myotis	-	X	FSC	-
Yuma myotis	-	X	FSC	-
San Joaquin pocket mouse	-	X	FSC	-
San Joaquin kit fox <sup>b</sup>	-	-	FE	ST

Sources: Jones and Stokes 2001, CDFG 2002a, CDFG 2002b, LLNL 2003ab, bz, by.

<sup>a</sup> The scientific names of all plant and animal species in this table are provided in Table E.2-1 in Appendix E.

<sup>b</sup> Although the San Joaquin kit fox has not been observed onsite in surveys from 1986 to the present, monitoring efforts continue to watch for the presence of this species onsite, due to confirmed sightings near Site 300.

-: Indicates the absence of a species at the Livermore Site or Site 300.

CASSC: California Species of Special Concern; CH: Critical Habitat (The USFWS may establish critical habitat for threatened or endangered species with the CH consisting of geographic area determined essential for the conservation of the species); CNPS List 1A: Plants presumed extinct in California; CNPS List 1B: Plants rare, threatened, or endangered in California and elsewhere; CNPS List 2: Plants rare, threatened, or endangered in California, but more common elsewhere; CNPS List 3: Plants about which we need more information – a review list; CNPS List 4: Plants of limited distribution – A watch list; FC: federally listed candidate (plant and animal species for which the USFWS has on file sufficient information on biological vulnerability and threat to support issuance of a proposed rule for listing as threatened or endangered); MBTA: *Migratory Bird Treaty Act*; FE: federally listed endangered (any species that is in danger of extinction throughout all or a significant portion of its range); FPT: federally listed proposed threatened (A proposal to list a species as likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range pending release of a final rule); FSC: Federal Species of Concern for Alameda and San Joaquin Counties. May be endangered or threatened. Not enough biological information has been gathered to support listing at this time; FT: federally listed threatened (any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range); ST: state listed threatened; X: Indicates the presence of a species at the Livermore Site or Site 300.